BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estime for Electrical Repairs and Development works to parks of Yelahanka Zone

Budget Head

Ward No3 Estimate No..... For Rs.500000.00

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (Ele) S.R.2010-11				
1 69/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable. d) 4 core 16sqmm	375	150.00	Per Mtr	56250.00
2 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. a) 6sqmm to 16 sqmm	375	8.00	Rmtr	3000.00
3 36/12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required.				
	f) 40-63 Amps TPN 1) Group 'A'	10	1495.00	Each	14950.00
4 41/38	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete b) 16 SWG	95000	0.33	sqcm	31350.00
5 34/8	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. c) 60-70 Amps	10	3865.00	Each	38650.00
6 9/32	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08	10	4200.00	Each	42000.00
7 70/6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	350	50.00	Rmtr	17500.00

8 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron… and M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	10	240.00	Rmtr	2400.00
9 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	200	25.00	Per Mtr	5000.00
10 18/9	Supplying 70/125 Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shpae, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, IP 54 protection. Electrical safety class 1. The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230 V 50Hz AC supply with 70 /125 Watts MH Lamp..a) Group 'A'	10	5230.00	Each	52300.00
11 19/12	Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp.II 250 Wattsa) Group 'A'	25	6150.00	Each	153750.00
12 28/1	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. b) Using 32mm dia G.I pipe	25	685.00	Each	17125.00
13 28/6	Fixing charges of post top /Gate/Garden fitting on the existing CI /GI or any other pipe using required size of reducer, wiring using suitable wires etc..complete.	10	165.00	Each	1650.00
14 73/20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes f) 16 sqmm	17	14.00	Each	238.00
Releasing and Refixing of Pathway Lighting Poles					
1 5/1.2.2	Digging of pits 1.5 mtr depth for errection of of 7.5/8 mtr Long steel/RCC/PSC/PCC supports Hard soil	10	529.00	Per Pit	5290.00
2 29/1.8.3	Concrete Works Providing cement concrete to poles and guysets with material and labour including necessary curing etc., comlpete (cost does not include excavation) c) Providing coping for pole with CC1:2:4 (as per actuals)	10	200.00	Each	2000.00
3 33/2.2	Errection of Poles : Releasing and Re-Errection of Steel supports 9.0 to 10.00 mtr long such as 22.68 kg (50 lbs) Rail, I beam of sizes 200 X 100 mm, 175X 90 mm , 125 X 100 mm, Fabricated poles, tubular poles in pits of 1.8 mtr Depth, aligning, refilling with soil For Errection =Rs 154.00 releasing of materials shall be 90 % of the cost of ereection as per bescom circular BES/GM/(T)/BC-20/F-664/05-06/CYS 174 Dt:10.01.06. Therefore Releasing and Re-Errection = Rs 154.00+ 0.9X154.00=292.60	10	292.60	Nos	2926.00

4 119/13. 14	Street Light and other Works Releasing and Fixing of mercury Vapour lamp fitting /Ornamental light fitting with Control Boxes etc. For Fixing =Rs 224.00 releasing of materials shall be 90 % of the cost of ereection as per bescom circular BES/GM/(T)/BC-20/F-664/05-06/CYS 174 Dt:10.01.06. Therefore Releasing and Fixing = Rs 224.00+ 0.9X224.00=292.60	10	425.60	Set	4256.00
5	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11. Per Day Rs 2240.00	0.5	2240.00	Day	1120.00
6 55/63	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole. a) Upto 5 Mtr street light pole	10	260.00	Nos	2600.00
	Sub Total				**454354.00**
	KRIDL CHARGES @10% of Estimates				**45435.40**
	Miscellaenous				**210.60**
	TOTAL				**500000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates and Bescom S.R Rates.

Assistant Engineer (Ele)
Yelahanka Zone

Asst. Executive Engineer (Elecl)
Yelahanka Zone

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs. 5.00 lakhs
Rupees Five lakhs Only

Under

Registered as EE ( ) No 3....9....
Subject to conditions contained in
enclosed memo EE ( ) No /9/....
Dt Estimate A/Sanctioned
Addl Comr (Y2) No AS/871/13-14
dated 13-2-2014 Rs 5.00 lakhs

13/02

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

TECHNICALLY SANCTIONED FOR Rs. 5.00 lakhs
Rupees Five lakhs only

Under

Registered as EE ( ) No 9 9
Subject to conditions contained in
enclosed memo BBMP/EE/Ele/Y2/TS/16/13-14
Dt. 22/02/2014
Addl Comm(Y2)/AS/871/13-14 Sanctioned
Dated 13-2-2014 Rs 5.00 lakhs

Executive Engineer